

§ 58.60-3

his satisfaction, a degree of safety consistent with the minimum standards set forth in this subpart.

§ 58.60-3 Pressure vessel.

A pressure vessel that is a component in an industrial system under this subpart must meet the applicable requirements in § 54.01-5 of this chapter.

[CGD 73-251, 43 FR 58601, Dec. 4, 1978, as amended by CGD 77-147, 47 FR 21811, May 20, 1982]

§ 58.60-5 Industrial systems: Locations.

An industrial system under this subpart must not be in a space that is—

- (a) Concealed; or
- (b) Inaccessible to industrial personnel.

§ 58.60-7 Industrial systems: Piping.

The piping for industrial systems under this subpart must meet ANSI B31.3, except that blow out preventor control systems must also meet API RP 53.

[CGD 88-032, 56 FR 35824, July 29, 1991]

§ 58.60-9 Industrial systems: Design.

Each system under this subpart must be designed and analyzed in accordance with the principles of API RP 14C.

[CGD 88-032, 56 FR 35824, July 29, 1991]

§ 58.60-11 Analyses, plans, diagrams and specifications: Submission.

(a) Each industrial system must be analyzed by a registered professional engineer to certify that the system has been designed in accordance with applicable standards.

(b) The certification must—

- (1) Appear on all diagrams and analyses; and
- (2) Be submitted under § 50.20-5 of this chapter.

(c) Standards or specifications for non-pressurized, mechanical or structural systems, and components such as derricks, drawworks, and rotary tables which comply with standards or specifications not referenced in this subchapter must be referenced on the plans or in the specifications of the unit.

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§ 58.60-13 Inspection.

An industrial system is accepted by the Coast Guard if the inspector finds—

- (a) The system meets this subpart;
- (b) There are guards, shields, insulation or similar devices for protection of personnel; and
- (c) The system is not manifestly unsafe.

PART 59—REPAIRS TO BOILERS, PRESSURE VESSELS AND APPURTENANCES

Subpart 59.01—General Requirements

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- 59.01-1 Scope.
- 59.01-2 Incorporation by reference.
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- 59.01-5 Repairs, replacements, or alterations.

Subpart 59.10—Welding Repairs to Boilers and Pressure Vessels in Service

- 59.10-1 Scope.
- 59.10-5 Cracks.
- 59.10-10 Corroded surfaces.
- 59.10-15 Rivets and staybolts.
- 59.10-20 Patches in shells and tube sheets.
- 59.10-25 Stayed areas.
- 59.10-30 Seal welding.
- 59.10-35 Wrapper plates and back heads.

Subpart 59.15—Miscellaneous Boiler Repairs

- 59.15-1 Furnace repairs.
- 59.15-5 Stayed furnaces and combustion chambers.
- 59.15-10 Bagged or blistered shell plates.

Subpart 59.20—Welding Repairs to Castings

- 59.20-1 Carbon-steel or alloy-steel castings.

AUTHORITY: 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 227; 49 CFR 1.46.

SOURCE: CGFR 68-82, 33 FR 18887, Dec. 18, 1968, unless otherwise noted.

Subpart 59.01—General Requirements

§ 59.01-1 Scope.

The regulations in this part apply to the repairs of all boilers, appurtenances and pressure vessels subject to inspection by the Coast Guard.